ORDER NO. TD94040424C2

Service Manual

Radio Cassette

RQ-V185

Stereo Radio Cassette Player

Colour

(K)..... Black Type

Area

Suffix for Model No.	Areas	Colour
[EG]	Europe.	(K)

SPECIFICATIONS\ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ
DISASSEMBLY INSTRUCTIONS\МЕТОДИКА РАЗБОРКИ
MEASUREMENT AND ADJUSTMENT\ИЗМЕРЕНИЕ И РЕГУЛИРОВКА
SCHEMATIC DIAGRAMS\ПРИНЦИПИАЛЬНЫЕ СХЕМЫ
TERMINAL GUIDE OF ICs, TRANSISTORS AND DIODES\ЦОКОЛЕВКА МИКРОСХЕМ, ТРАНЗИСТОРОВ И ДИОДОВ
INTERNAL CONNECTIONS OF LCD\ЦОКОЛЕВКА ВЫВОДОВ ЖИДКО-КРИСТАЛЛИЧЕСКОГО ДИСПЛЕЯ
TERMINAL FUNCTION OF IC\ФУНКЦИОНАЛЬНОЕ НАЗНАЧЕНИЕ ВЫВОДОВ МИКРОСХЕМ
MECHANISM PARTS LOCATION\РАСПОЛОЖЕНИЕ ЧАСТЕЙ МЕХАНИЗМА
CABINET PARTS LOCATION\РАСПОЛОЖЕНИЕ ЧАСТЕЙ КОРПУСА

Panasonic

■ SPECIFICATIONS

General:

Power Requirement:	Battery; 3V (Two "AA" size, R6/LR6 batteries)
	AC; with optional AC adaptor RP-AC33
Power Output:	40mW (20mW×2)···RMS (max.)
Input:	DC IN; 3V (⊖-•-⊕)
Output:	Headphones; 20Ω, φ 3.5
Dimensions:	122(W)×88(H)×36.2(D)mm
Weight:	245g (8.6 oz) without batteries

Radio Section:

Radio Frequency Range:	FM; 87.5~108MHz
	AM; 522~1611kHz
Intermediate Frequency:	FM; 10.7MHz
	AM; 450kHz
Sensitivity:	FM; 3.58μV/0.5mW output (−3dm Limit, Sens)
	AM; 79.4μV/m/0.5mW output

Tape Deck Section:

Frequency Response:	40~14,000Hz (Normal, CrO_2/Metal)
Tape Speed:	4.8cm/s
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track, 2-channel, stereo playback

Notes:

1. Weights and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

■ DISASSEMBLY INSTRUCTIONS

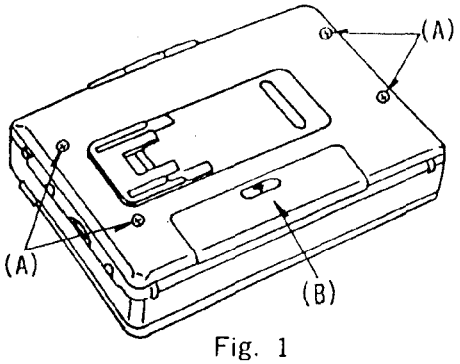


Fig. 1

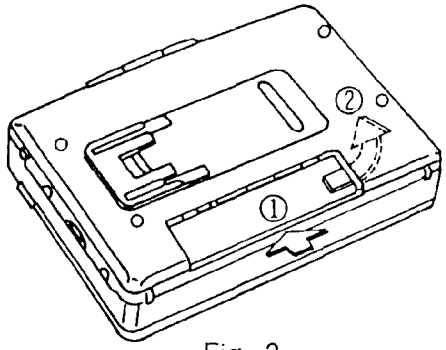


Fig. 2

● Removal of the Rear Cabinet

1. Remove the screws (A) (2×10)mm×4
2. Open the battery cover (B)×1
3. Remove the rear cabint in the direction of arrow ① & ②.

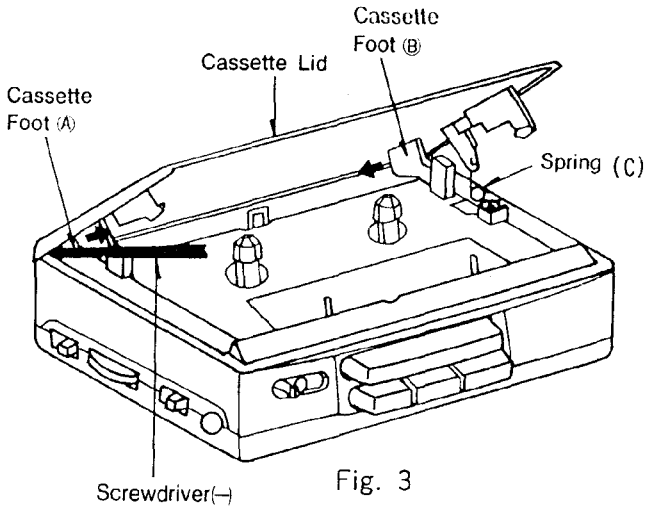


Fig. 3

● How to Removal of the Cassette Lid

Note: Be careful not to break cassette foots Ⓐ and Ⓑ when removing the cassette lid.

1. Open the cassette lid.
2. With a screwdriver, push cassette foot Ⓐ to the right as shown in Fig. 3, and then pull out the right side of the cassette lid.
3. Push cassette foot Ⓑ to the left and then pull out the cassette lid.
4. Remove the spring. (C)×1.

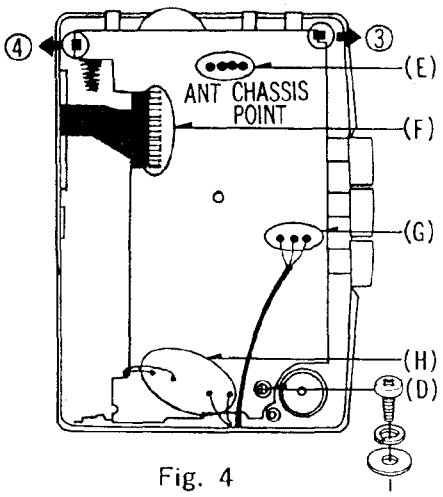


Fig. 4

● Removal of ANT Chassis and Circuit Board (Fig. 4)

1. Remove the screw (D) (1.7x5)x1.
2. Disconnect the solder(E).
3. Remove the ant chassis in the direction of arrow ③, ④.
4. Remove the solder(F).(G).(H) from flexible PC board.

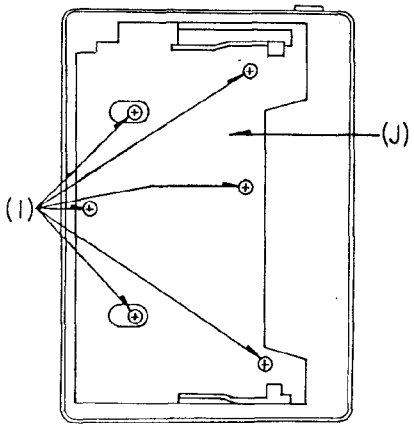


Fig. 5

● Removal of the LCD P.C.B.

1. Remove the screws (I) (1.4×3.5)×6
2. Remove the shield plate (J) ×1.
3. Remove the LCD P.C.B.

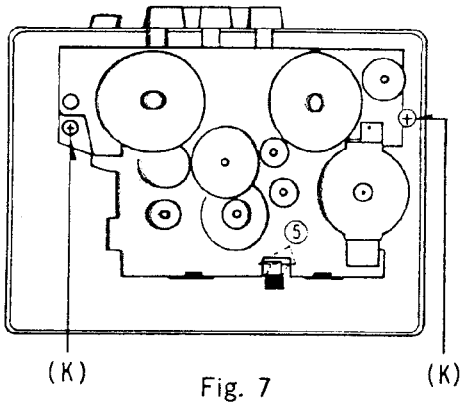


Fig. 7

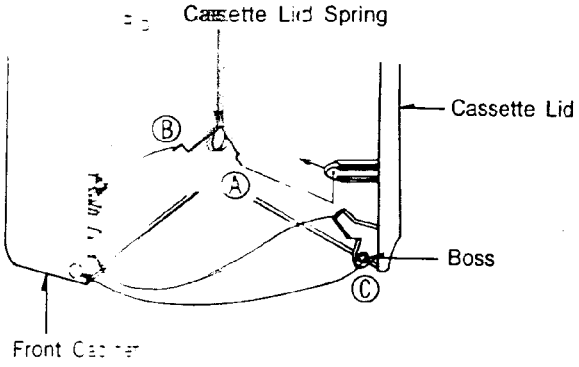


Fig. 8

● **Removal of the Front Cabinet and Mechanism**

1. Remove the deck screws (K) (2×6)mm×2.
2. Remove the front cabinet & mechanism in the direction of arrow ⑤.

● **How to Replace the Cassette Lid Spring**

1. Insert part A in the hole in the cassette lid.
2. Fit part B on the rib of the front cabinet.
3. Fit the boss C in the front cabinet.

■ MEASUREMENTS AND ADJUSTMENTS

● **ADJUSTMENT POINT**

Please refer to the Printed Circuit Board and Wiring connection Diagram for test point locations.

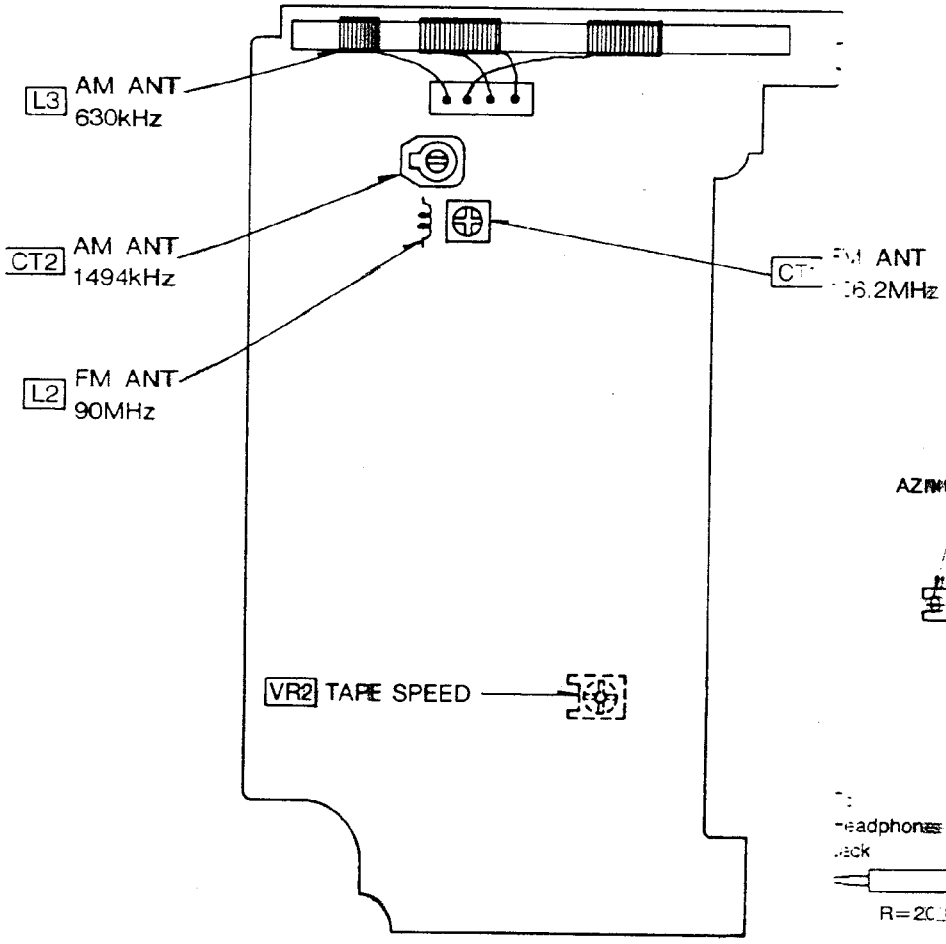


Fig. 1

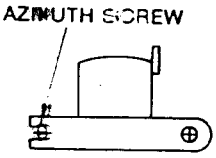


Fig. 2

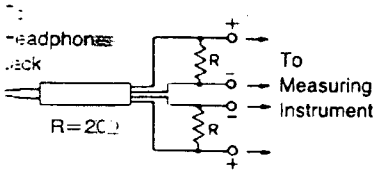


Fig. 3

● ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum. 2. Set selector switch to radio or tape. 3. Set Tape Selector Switch to normal. 4. Set power source voltage to 3.0 V DC.	5. Output of signal generator should not be higher than necessary to obtain an output reading. 6. Make sure heads are clean. 7. Make sure capstan and pinch roller are clean.

● TUNER SECTION

AM ADJUSTMENT

BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT POINT	REMARKS
	CONNECTIONS	FREQUENCY				
AM-RF ADJUSTMENT						
AM	Fashion loop of several turns of wire and radiate signal into loop of receiver.	630kHz	Tune to signal.	Headphones jack (20Ω) (Refer to Fig. 3)	(*1) L3 (AM ANT Coil)	Adjust for maximum output. Adjust L3 by moving coil bobbin along ferrite core.
AM		1,494kHz			CT2 (AM ANT Trimmer)	Adjust for maximum output.
(*1) Cement antenna bobbin with wax after completing alignment.						

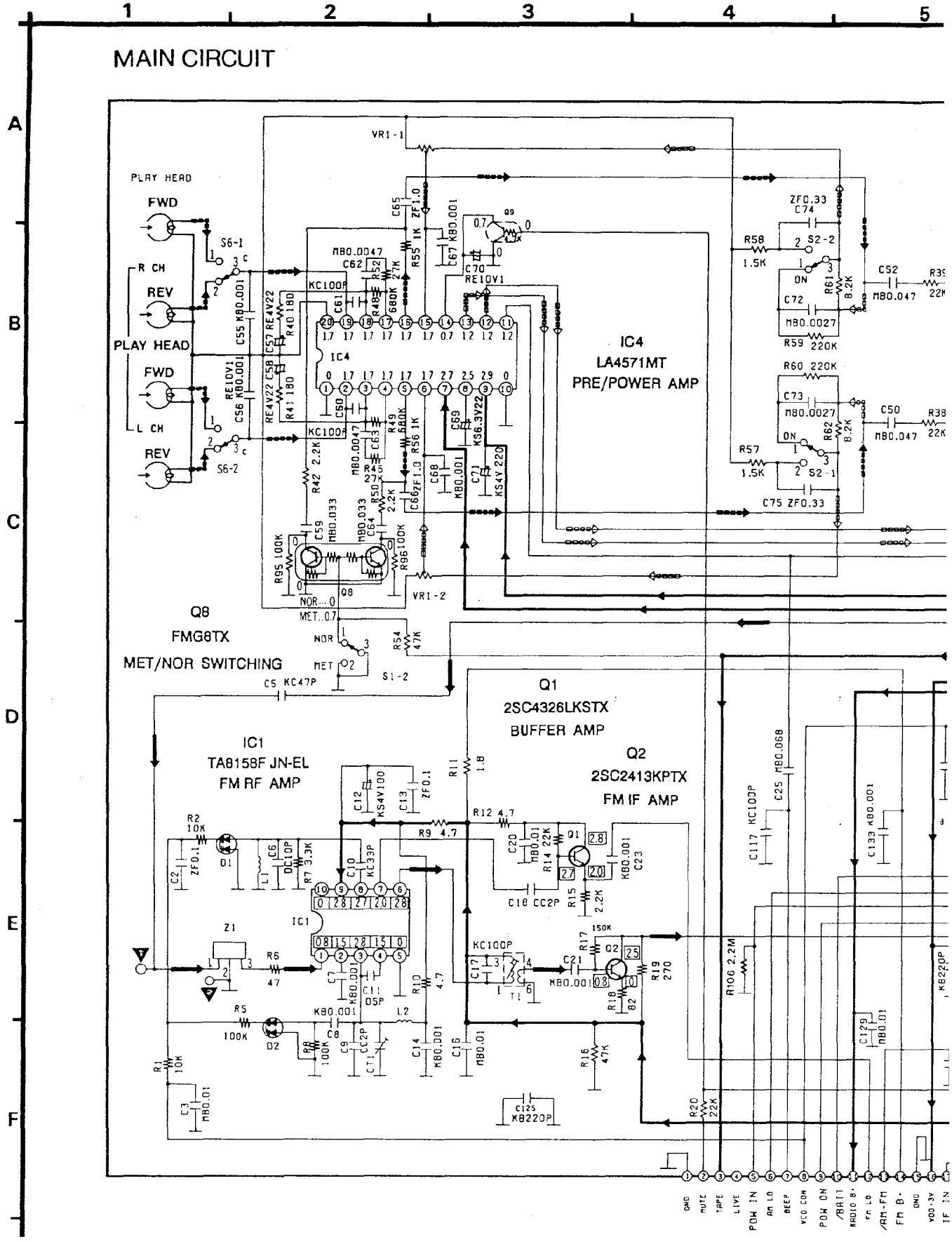
FM ADJUSTMENT

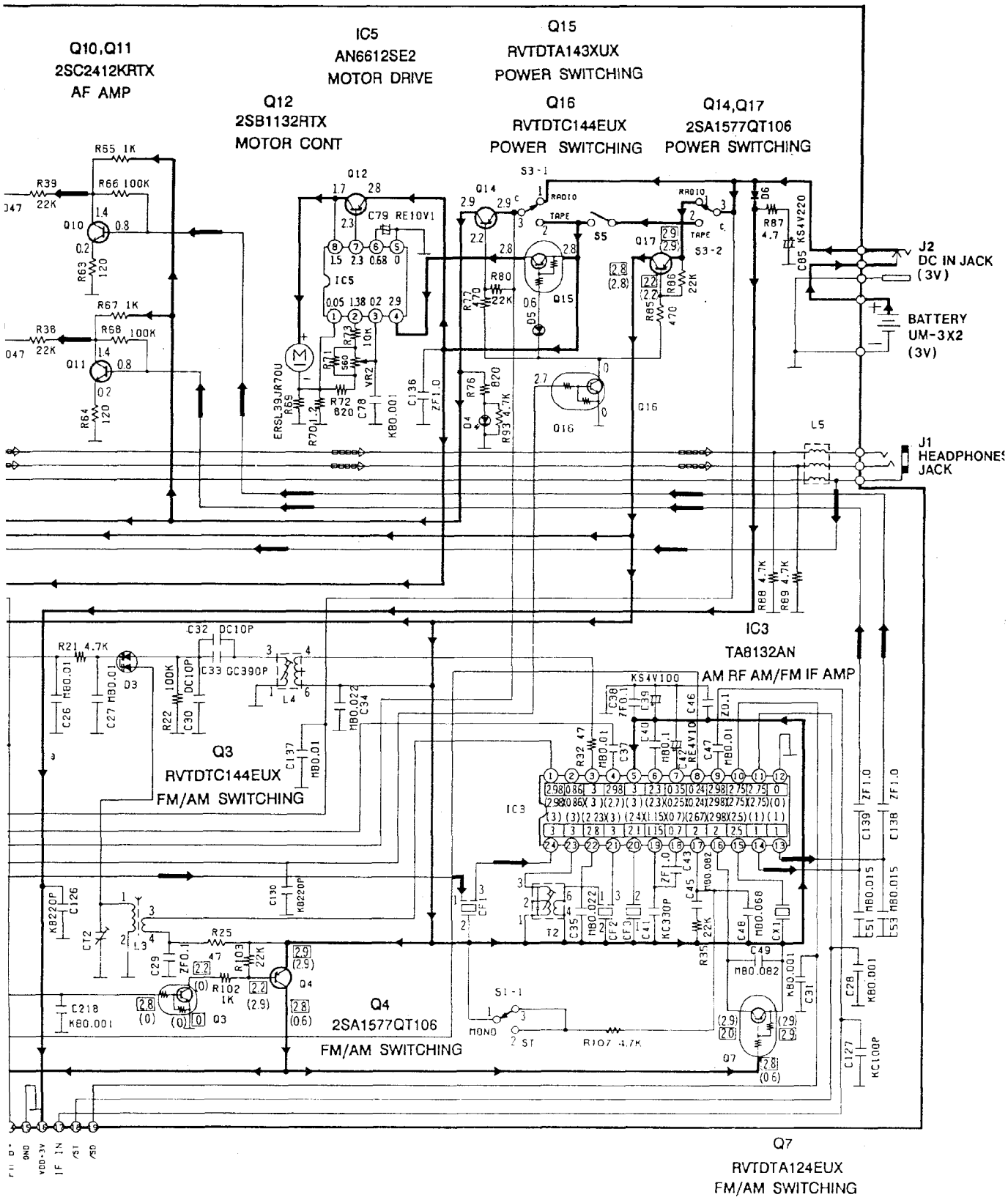
BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT POINT	REMARKS
	CONNECTIONS	FREQUENCY				
FM-RF ADJUSTMENT						
FM	Connect to test point ▽ through FM dummy antenna. Negative side to test point ▽	106.2MHz	Variable capacitor fully open.	Headphones jack (20Ω) (Refer to Fig. 3)	CT1 (FM ANT Trimmer)	(*2) Adjust for maximum output.
FM	〃	90MHz	Tune to signal.	〃	L2 (FM ANT Coil)	〃
(*2) Three output responses will be present; proper tuning is the center frequency.						

● TAPE DECK SECTION

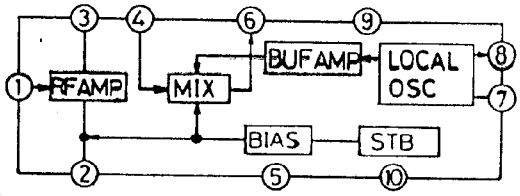
ITEM	INPUT	MEASUREMENT POINT	ADJUSTMENT POINT	PROCEDURE
Azimuth	QZZCFM (8kHz, −20dB)	Headphones Jack (20Ω) (Fabricate the plug as shown in Fig. 3 and then connect the lead wires of the plug to the measuring instrument.)	Azimuth adjustment screw (Refer to Fig. 2)	Adjust the azimuth adjustment screw during repeated forward and reverse playback to obtain the maximum head azimuth alignment with both channels equal. Then screw-lock the adjustment in place.
Tape speed	QZZCWAT (3kHz, −10 dB)		VR2 (Refer to Fig. 1)	Playback the central part of the tape and adjust VR2 so that the tape speed is as follows. 3000 ± 60Hz (Forward & Reverse)

■SCHEMATIC DIAGRAM

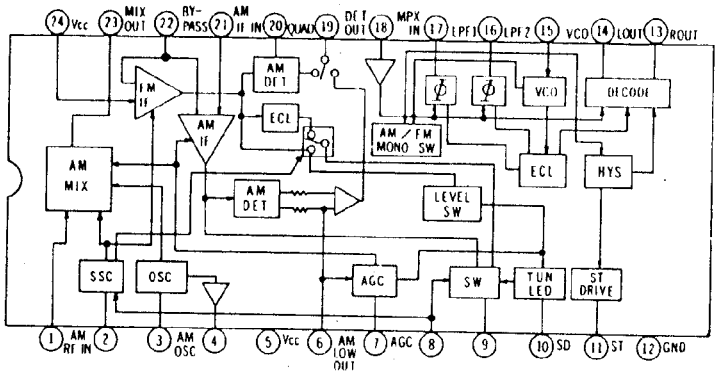



Q10,Q11
2SC2412KRTX
AF AMP
IC5
AN6612SE2
MOTOR DRIVE
Q15
RVTDTA143XUX
POWER SWITCHING
Q12
2SB1132RTX
MOTOR CONT
Q16
RVTDTC144EUX
POWER SWITCHING
Q14,Q17
2SA1577QT106
POWER SWITCHING
J2
DC IN JACK
(3V)
BATTERY
UM-3X2
(3V)
J1
HEADPHONES
JACK
IC3
TA8132AN
AM RF AM/FM IF AMP
Q3
RVTDTC144EUX
FM/AM SWITCHING
Q4
2SA1577QT106
FM/AM SWITCHING
Q7
RVTDTA124EUX
FM/AM SWITCHING

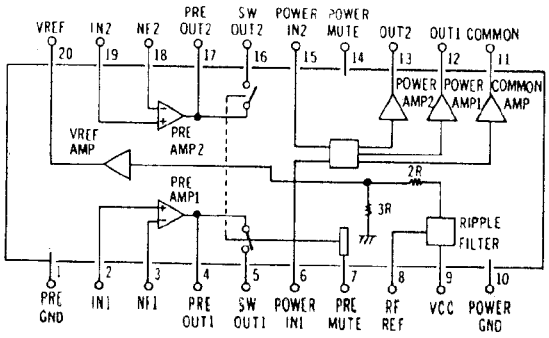
IC1 TA8158F JN-EL



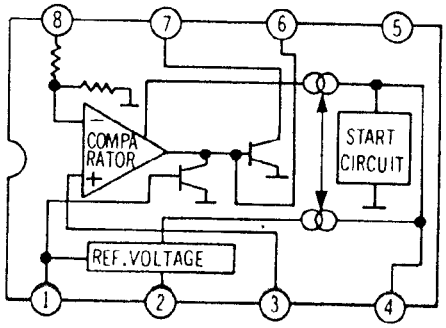
IC3 TA8132AN



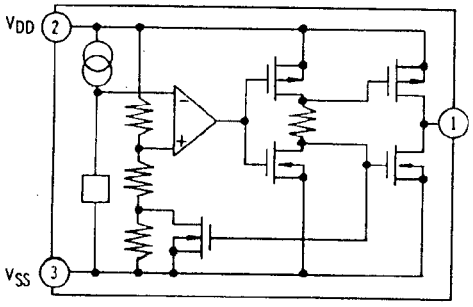
IC4 LA4571MBT



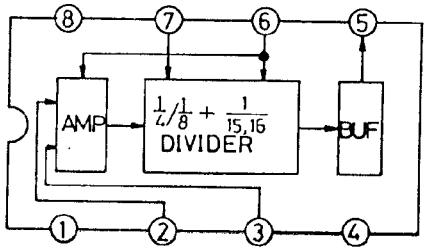
IC5 AN6612SE2



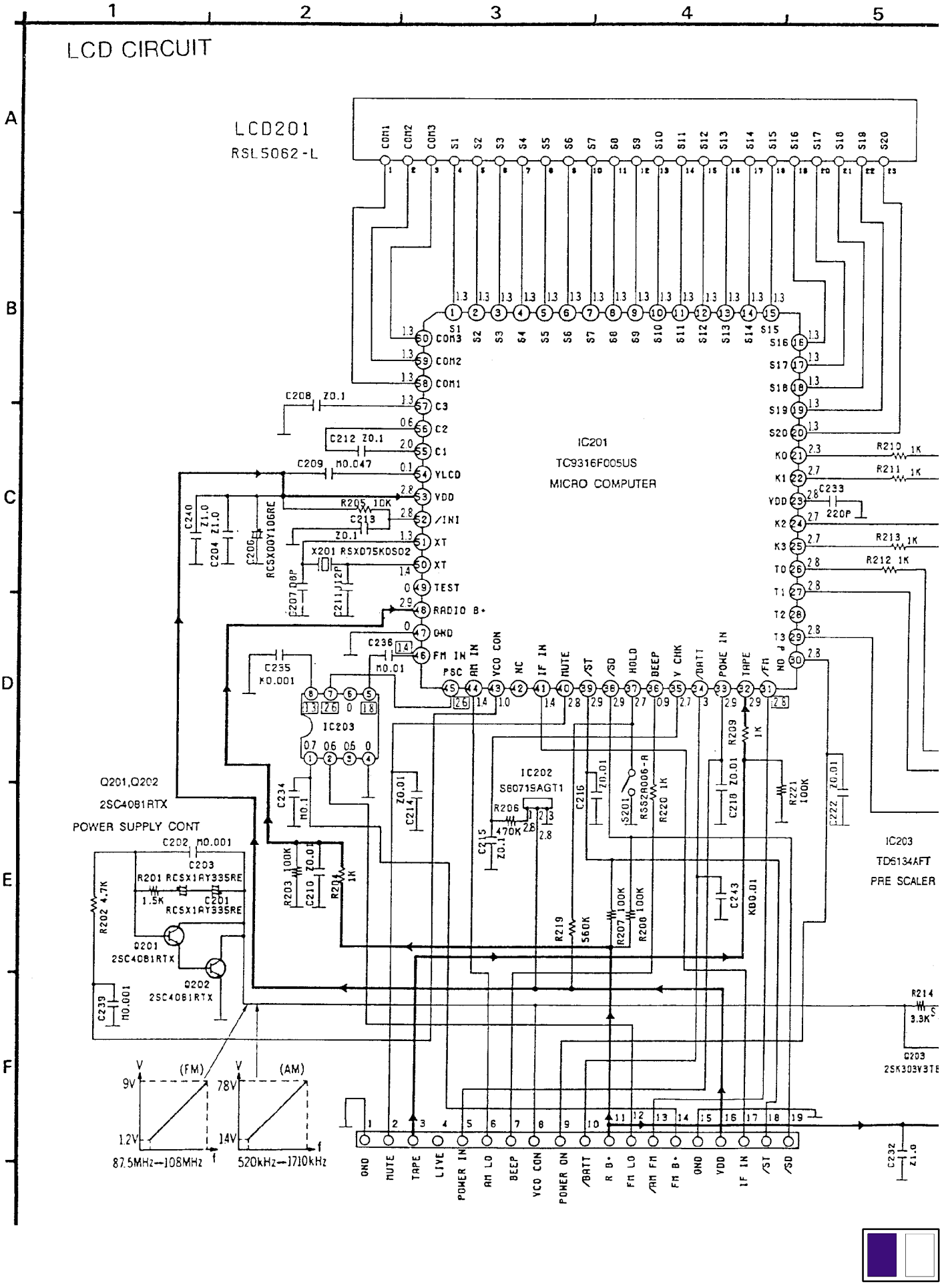
IC202 S80719AGT1

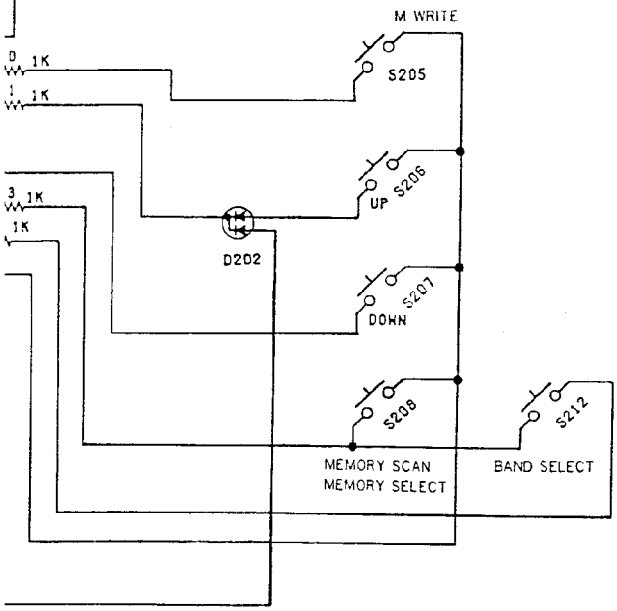


IC203 TD6134AFT

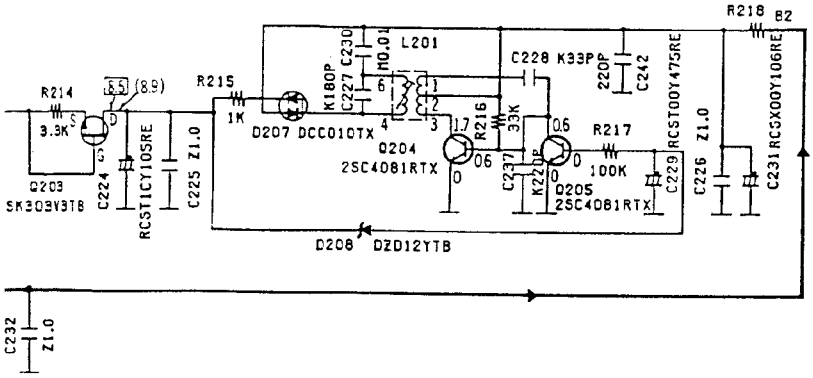


SCHEMATIC DIAGRAM





C203	IC202	Q203	Q204,Q205
S134AFT	S8071SAGT1	2SK303V3TB	2SC4081RTX
SCALER	RESET	F.E.T STABILIZER	DC-DC CONV



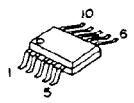
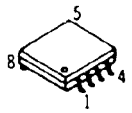
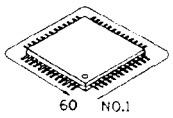
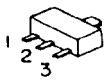
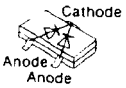
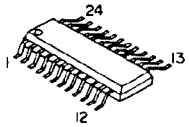
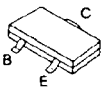
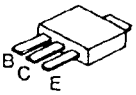
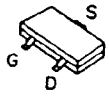
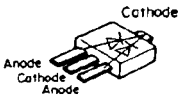
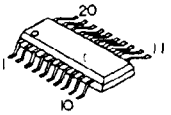
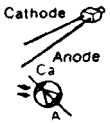
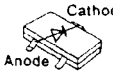
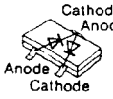
Notes:

- S1-1: FM MODO switch in "MONO" position (1···MONO, 2···ST)
- S1-2: Tape selector switch in "NOR" position. (1···NOR, 2···CrO_2/MET)
- S2-1, 2-2: XBS switch in "ON" position. (1···ON, 2···OFF)
- S3-1, S3-2: Function selector switch in "RADIO" position. (1···RADIO, 2···TAPE)
- S5: Motor switch in "OFF" position.
- S6-1, S6-2: FWD/REV select switch in "REV" position. (1···FWD, 2···REV)
- S201: Hold switch.
- S205: Memory write switch.
- S206: Tuning up switch.
- S207: Tuning down switch.
- S208: M. SELECT/M. SCAN switch.
- S212: Band select switch.
- VR1-1: Volume control VR (Rch).
  VR1-2: Volume control VR (Lch).
- VR2: Tape speed adjustment VR.
- The mark (▼) shows test point e.g. ▼ =test point 1.
- DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
  [ ]···FM position, ( )···AM position.
  No mark·····Playback position
- Battery current: Volume minimum output (Radio) ····· 60mA
  Volume minimum output (Tape) ····· 160mA
  Volume Maximum output (Radio)·····120mA
  Volume Maximum output (Tape) ·····230mA
  (Radio, 74dB 30% Modulation. Tape, 315Hz 0dB tape playback)

→ +B Voltage Line.
▪▪▪▪▶ Playback Signal.
▬▬▶ FM Signal.
▫▫▫▫▷ Playback and Radio Signal.

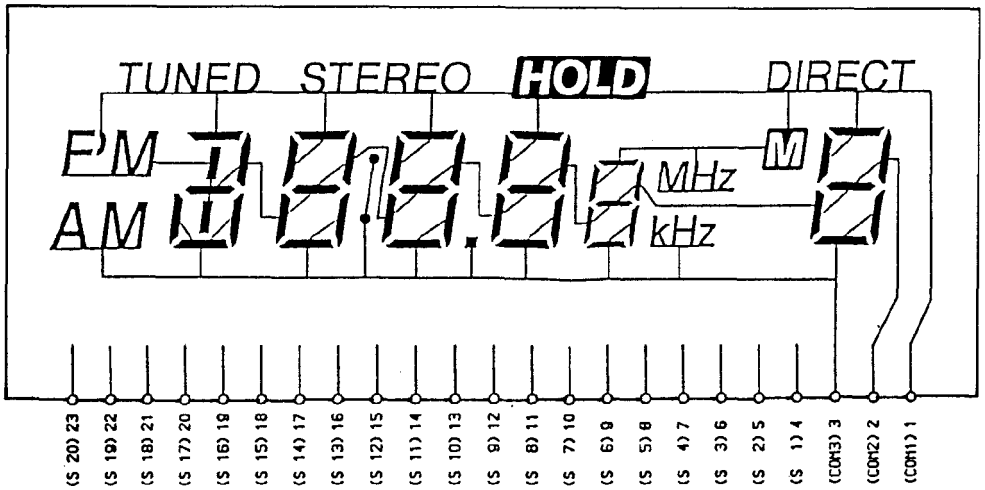
- **This schematic diagram may be modified at any time with the development of new technology.**

■TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

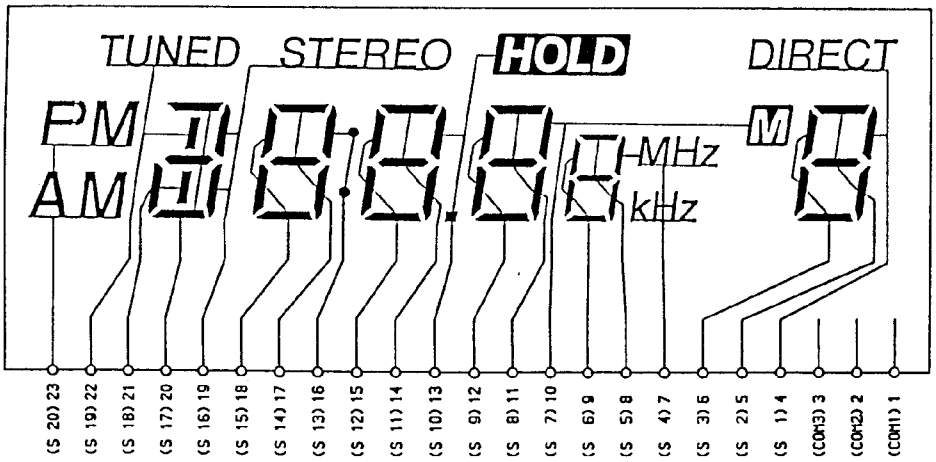
 IC1	 IC5,203	 IC201	 IC202	 D1,2,202.
 IC3	 Q1~4,7,9~11, 14~17,201,202, 204,205.	 Q12	 Q203	 D3
 IC4	Q8	 D4	 D5,6,208.	 D207

■INTERNAL CONNECTIONS OF LCD

• Common connection diagram



• **Segment connection diagram**



■ TERMINAL FUNCTIONS OF IC

● IC201 (TC9316F005US): SYSTEM CONTROL & LCD DRIVE

Terminal No.	Terminal Name	I/O	Function
1 ~ 20	LCD1 ~ LCD20	O	Outputs terminals for LCD segment signals.
21 ~ 22	KO ~ KI	I	Terminals for Key return signal input.
23, 53	VDD	—	Power terminal.
24 ~ 25	K2 ~ K3	I	Terminals for Key return signal input.
26 ~ 29	TO ~ T3	O	Key return signal source output terminals for momentary switch on the key matrix.
30	POWER ON	O	Outputs the power out terminal.
31	AM/FM	O	Band select output terminal.
32	TAPE	I	Data signal input terminal
33	POWER	I	
34	/BATT	I	Power input for battery.
35	VCHK	I	Inputs the battery voltagedet signal.
36	BEEP	O	Outputs the buzzer out terminal.
37	HOLD	I	Data signal input terminal
38	/SD	I	
39	/ST	I	
40	MVTE	O	Muting signal output terminal.

Terminal No.	Terminal Name	I/O	Function
41	IF IN	I	IF Count in
42 ~ 43	VCO CON	O	PLL error output terminal.
44	VCOL (AM IN)	I	Inputs the local oscillator (VCO) (0.5~40MHz)
45	PSI	O	Counter input prescaler.
46	VCOH (FM IN)	I	Inputs the local oscillator (VCO) (10~130MHz)
47	GND	—	For ground connection.
48	RADIO B	I	Input the function switch radio signal unused on this unit.
49	TEST	I	Test terminal.
50 ~ 51	XT	O	Terminals used for connecting a quartz oscillator.
52	/INI	I	Device select signal input terminal.
54	VLCD	—	Condenser external terminals.
55	C1	—	
56	C2	—	
57	C3	—	
58 ~ 60	COM1 ~ COM3	O	Outputs terminals for LCD common signals.

■ REPLACEMENT PARTS LIST

[T] Indicates parts that are supplied by TAMACO

Ref. No.	Part No.	Parts Name & Description
INTEGRATED CIRCUIT, TRANSISTORS AND DIODES		
IC1 [T]	TA8158FJN-EL	I.C. AM RF AM/FM IF AMP
IC3 [T]	TA8132AN	I.C. FM RF AMP
IC4 [T]	LA4571MBT	I.C. PRE/POWER AMP
IC5	AN6612SE2	I.C. MOTOR DRIVE
IC201 [T]	TC9316F005US	CUP. I.C. MICRO COMPUTER
IC202	S80719AGT1	I.C. RESET
IC203	TD6134AFT	I.C. PSI
Q1 [T]	2SC4326LKSTX	Transistor
Q2 [T]	2SC2413KPTX	Transistor
Q3,16 [T]	RVTDTC144EUX	Digital Transistor
Q4 [T]	2SA1577QT106	Digital Transistor
Q7 [T]	RVTDTA124EUX	Digital Transistor
Q8 [T]	FMG8TX	Transistor
Q9 [T]	RVTDTC143TUX	Digital Transistor
Q10,11	2SC2412KRTX	Transistor
Q14,17 [T]	2SA1577QT106	Digital Transistor
Q15 [T]	RVTDTA143XUX	Digital Transistor
Q12	2SB1132RTX	Transistor
Q201,202, 204,205 [T]	2SC4081RTX	Transistor
Q203 [T]	2SK303V3TB	Transistor
D1,2	RVDSVC203ATX	Diode
D3 [T]	RVDSVC341MT	Diode
D4 [T]	RVDSLC22VR	L.E.D.
D5 [T]	DA115T106	Diode
D6 [T]	SB07-03CTX	Shottcky Diode
D202 [T]	RVDDAN202UTX	Diode
D207 [T]	DCC010TX	Diode
D208 [T]	DZD12YTB	Diode
COILS AND TRANSFORMERS		
L1 [T]	RLO4Y15-2	Oscillator Coil FM
L2 [T]	RLO4Y227	Antenna Coil FM
L3 [T]	RSA006TZA	Ferrite Bar Antenna Ass'y Withe(Antenna Chassis)
L4 [T]	RLO2A008-M	Oscillator Coil AM
L5 [T]	RLQZ010K-M	Choke Coil FM
L201 [T]	RLO9U015T-M	Oscillator Coil
T1 [T]	RLI4A005-M	I.F.T. FM
T2 [T]	RLI2A37M-M	I.F.T. AM

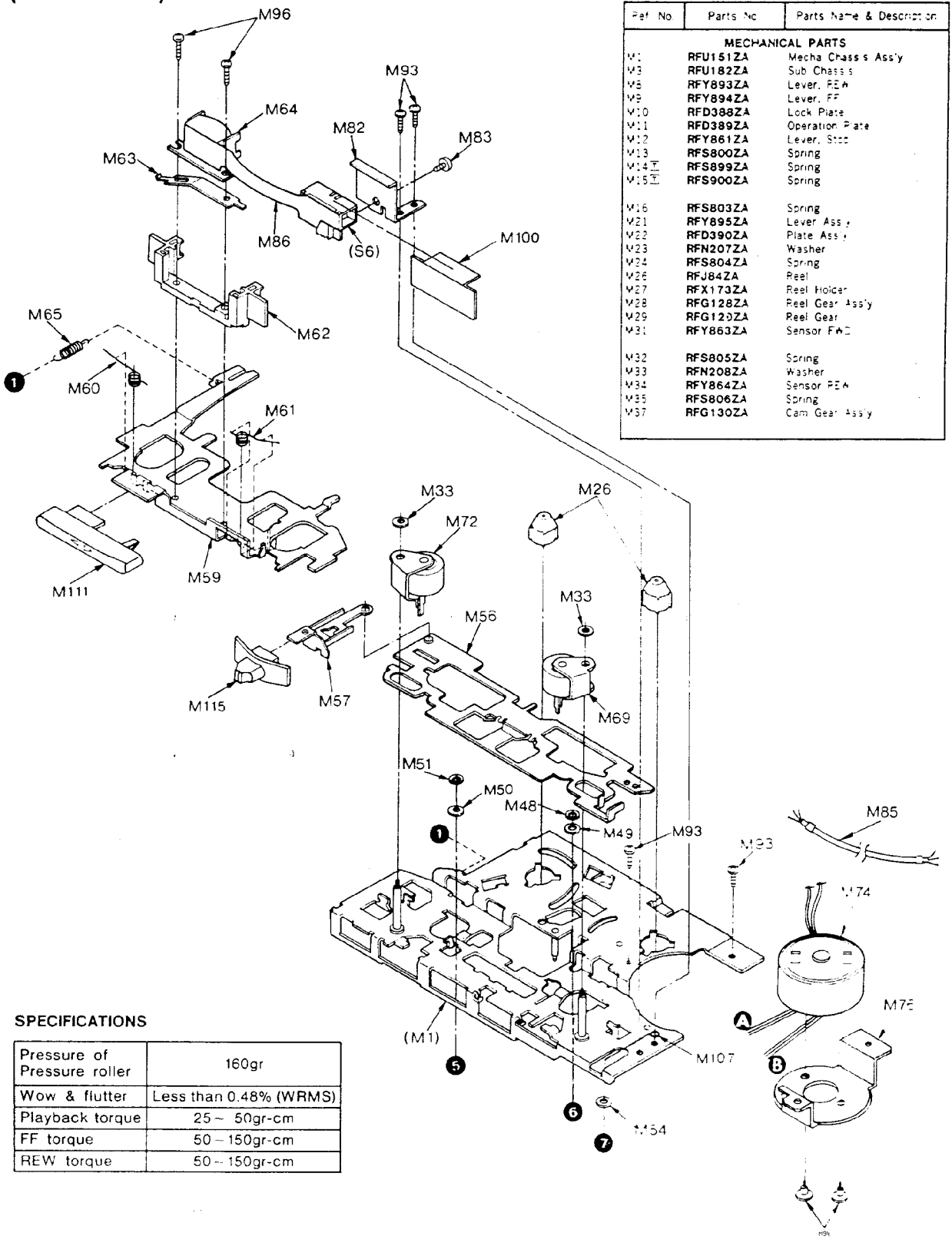
Ref. No.	Parts No.	Parts Name & Description
VARIABLE RESISTOR		
VR1 [T]	RVV2H3A54MZA	V.R. Volume Control
VR2 [T]	RRN3A01B13WA	V.R. Tape Speed
TRIMMER CAPACITOR		
CT1 [T]	RCV10AF1T-A	Trimmer CAP
CT2	RCV10AF1T-S	Trimmer CAP
CERAMIC FILTER AND CRYSTAL		
CF1 [T]	RLFFEHWLA01D	Ceramic Filter FM
CF2	RVFPFA459A	Ceramic Filter AM
CF3 [T]	RLFDFHA01D	Ceramic Filter FM
CX1	RSXZ456KM03	Ceramic Crystal AM
CRYSTAL		
X201	RSXD75K0S02	Crystal
JACKS		
J1	RJJD3S5ZB-C	Headphones Jack
J2	RJJ4301	DC IN Jack
LCD		
LCD201 [T]	RSL5062-L	L.C.D.
SWITCHES		
S1,3	RSS2B40ZA-Q	SW,Selector
S2	RSS2B40ZA-Q	SW,XBS
S5	RFA89ZA	Leaf SW(Motor)
S6	RFA90ZA	SW,FWD/REV
S201	RSS2A006-A	SW,HOLD
S205,206, 207,208, 212	EVQPA801K	SW,Tact
COMPONENT COMINATION		
Z1	RCRBMT001-H	Band Pass Filter
JACKS		
J1	RJJD3S5ZB-C	Headphones Jack
J2	RJJ4301	DC IN Jack

Ref. No.	Parts No.	Ref. No.	Parts No.
CHIP JUMPERS		R40,41	ERJ6EGYJ181V
RJ1 ~ 15	ERJ6GEY0R00V	R46,52	ERJ6GEYJ273V
		R48,49	ERJ6GEYJ684V
RESISTORS		R51,53	ERJ6GEYJ153V
R1,2,73, 205	ERJ6GEYJ103V	R55,56,65, 67,102, 204,209, 210,211, 212,213, 215,220	ERJ6GEYJ102V
R5,8,22,66, 68,95,96, 203,207, 209,217, 219,221	ERJ6GEYJ104V		
		R57,58,201	ERJ6GEYJ152V
R6,25,32	ERJ6GEYJ470	R59,60	ERJ6GEYJ224V
R7,214	ERJ6GEYJ332V	R61,62	ERJ6GEYJ822V
R9,10,12, 87	ERJ6GEYJ4R7V	R63,64	ERJ6GEYJ121V
		R69 [T]	ERSL39JR70U
R11 [T]	ERJ6GEYJ1R8V		
R14,20,35, 38,39,80, 86,103	ERJ6GEYJ223V	R70 [T]	ERJ6GEYJ1R2V
		R71	ERJ6GEYJ561V
		R72,76	ERJ6GEYJ821V
R15,42,50	ERJ6GEYJ222V	R77,85	ERJ6GEYJ471V
R16,54	ERJ6GEYJ473V	R106	ERJ6GEYJ225
R17	ERJ6GEYJ154V	R206	ERJ6GEYJ474
		R216	ERJ6GEYJ333V
R18,218	ERJ6GEYJ820V		
R19	ERJ6GEYJ271V		
R21,88,89, 93,107, 202	ERJ6GEYJ472V		

Ref. No.	Parts No.	Ref. No.	Parts No.
CAPACITORS		C45,49 [T]	ECUX1C823MB
C2,13,29, 38,46,208, 212,213, 215,234 [T]	ECUX1C104ZFN	C50,52, 209 [T]	ECUX1C473MB
		C51,53 [T]	ECUX1C153MB
		C54,70,79 [T]	RCST1AY105RE
C3,16,20, 26,27,37, 47,129, 137,226, 236 [T]	ECUX1E103MB	C57,58	RCSX0GX226RE
		C59,64 [T]	ECUX1C333MB
		C62,63 [T]	ECUX1H472MB
		C69 [T]	ECEG0JKS220
		C71	ECEA0GKS471I
C5	ECUX1H470KC	C72,73 [T]	ECUX1H272MB
C6,30 [T]	ECUX1H100DC		
C7,8,14, 21,23,28, 31,55,56, 67,68,78, 128,134 [T]	ECUX1H102KB	C74,75 [T]	ECUX1C334ZF
		C85 [T]	ECEG0GKS221
		C209 [T]	ECUX1C473MB
		C125,126, 130,131, 233,242	ECUX1H221K
C9,18	ECUX1H020CC		
C10,228	ECUX1H330KC	C129	ECUX1H103MD
C11	ECUX1H050DC	C201,203 [T]	RCSX1AY335RE
C12,39 [T]	ECEG0GKS101	C202,235, 239 [T]	ECUX1H102MB
C17,60,61, 117,127	ECUX1H101K	C207	ECUX1H080DC
		C210,214, 217,218, 222	ECUX1H103ZF
C25,48 [T]	ECUX1C683MD		
C32 [T]	ECUX1H100DC	C211	ECUX1H120JC
C33 [T]	ECUX1H391GCN		
C34,35 [T]	ECUX1C223MB		
C40 [T]	ECUX1C104MBM	C224	RCST1CY105RE
C41	ECUX1H331K	C227	ECUX1H181KC
C42,206, 231	RCSX0GY106RE	C229	RCST0GY475RE
		C241	ECBT1C103MS5
C43,65,66, 136,138, 139,204, 225,230, 232,240 [T]	ECUXNC105ZFM		

■MECHANISM PARTS LOCATION

(Front View)



■REPLACEMENT PARTS LIST

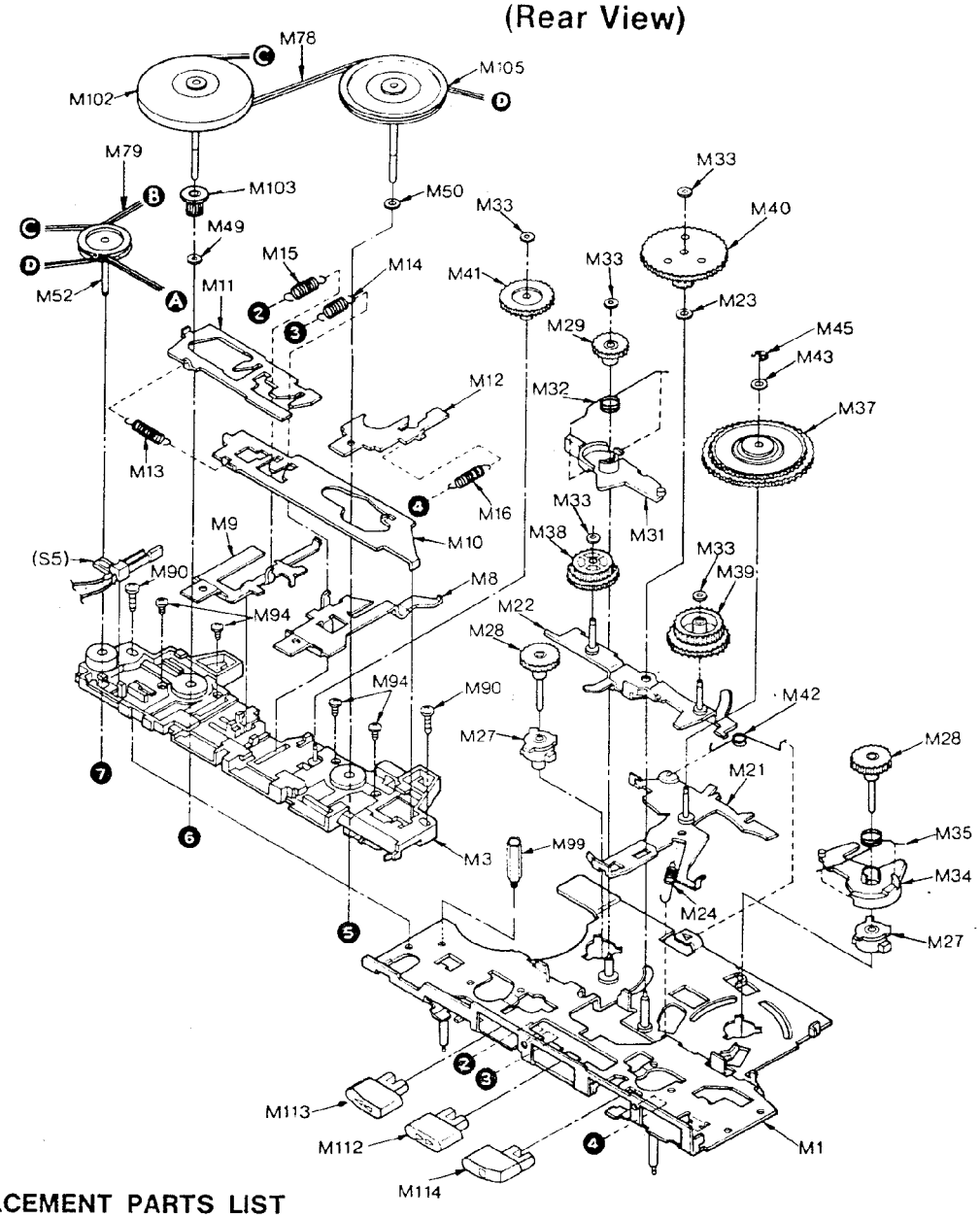
Ⓣ Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description
		MECHANICAL PARTS
M1	RFU151ZA	Mecha Chassis Ass'y
M3	RFU182ZA	Sub Chassis
M8	RFY893ZA	Lever, REW
M9	RFY894ZA	Lever, FF
M10	RFD388ZA	Lock Plate
M11	RFD389ZA	Operation Plate
M12	RFY861ZA	Lever, Stop
M13	RFS800ZA	Spring
M14Ⓣ	RFS899ZA	Spring
M15Ⓣ	RFS900ZA	Spring
M16	RFS803ZA	Spring
M21	RFY895ZA	Lever Ass'y
M22	RFD390ZA	Plate Ass'y
M23	RFN207ZA	Washer
M24	RFS804ZA	Spring
M26	RFJ84ZA	Reel
M27	RFX173ZA	Reel Holder
M28	RFG128ZA	Reel Gear Ass'y
M29	RFG120ZA	Reel Gear
M31	RFY863ZA	Sensor FWD
M32	RFS805ZA	Spring
M33	RFN208ZA	Washer
M34	RFY864ZA	Sensor REW
M35	RFS806ZA	Spring
M37	RFG130ZA	Cam Gear Ass'y

SPECIFICATIONS

Pressure of Pressure roller	160gr
Wow & flutter	Less than 0.48% (WRMS)
Playback torque	25 ~ 50gr-cm
FF torque	50 – 150gr-cm
REW torque	50 – 150gr-cm

(Rear View)



■ REPLACEMENT PARTS LIST

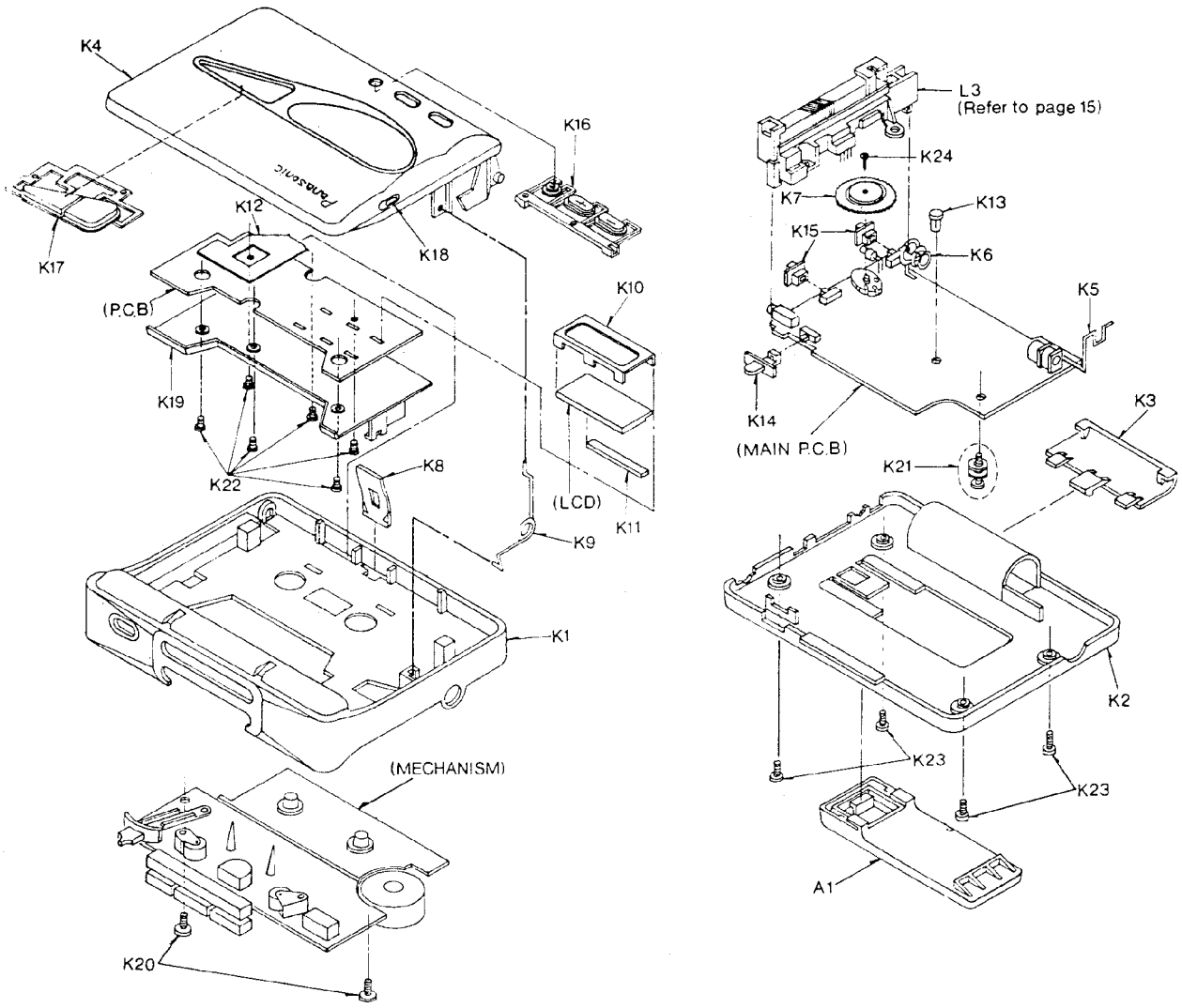
Ⓣ Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description
M38	**RFG131ZA**	Gear, FF
M39	**RFG132ZA**	Gear, REW
M40	**RFG133ZA**	Gear, Center A
M41	**RFG134ZA**	Gear, Center B
M42	**RFS832ZA**	Spring Turn
M43Ⓣ	**RFE520ZA**	Washer
M45Ⓣ	**RFE521ZA**	E-Ring
M48Ⓣ	**RFN218ZA**	Washer
M49Ⓣ	**RFN220ZA**	Washer
M50Ⓣ	**RFN221ZA**	Washer
M51Ⓣ	**RFN219ZA**	Washer
M52	**RFQ68ZA**	Pulley, Center
M54	**RFN215ZA**	Washer
M56	**RFD391ZA**	Slide Plate
M57	**RFY865ZA**	Lever Direction
M59	**RFU153ZA**	Head Chassis

Ref. No.	Parts No.	Parts Name & Description
M60Ⓣ	**RFS901ZA**	Spring
M61Ⓣ	**RFS902ZA**	Spring
M62	**RFE489ZA**	Tape Guide
M63	**RFS810ZA**	Spring
M64Ⓣ	**RBR4CM002F**	Head
M65	**RFS811ZA**	Spring
M69	**RFR55ZA**	Pinch Roller F Ass'y
M72	**RFR56ZA**	Pinch Roller R Ass'y
M74Ⓣ	**RFM178ZA**	Motor Ass'y
M76	**RFD427ZA**	Motor Bracket
M78Ⓣ	**RFB116ZA**	Belt
M79	**RFB113ZA**	Belt
M82	**RFD394ZA**	SW Bracket
M83	**RFE490ZA**	Screw
M85Ⓣ	**RFKRQV180PA**	Wire Ass'y
M86	**RFT28ZA**	F.P.C.

Ref. No.	Parts No.	Parts Name & Descriptio
M90	**RFE492ZA**	Screw
M93	**RFE491ZA**	Screw
M94	**RFE494ZA**	Screw
M96	**RFE495ZA**	Screw
M99Ⓣ	**RFKRQV180PB**	Shaft
M100Ⓣ	**RMC239TZB**	RMC Shield
M102Ⓣ	**RFF80ZA**	Flywheel Ass'y
M103Ⓣ	**RFG152ZA**	Gear
M105Ⓣ	**RFF81ZA**	Flywheel Ass'y
M107Ⓣ	**RFS903ZA**	Spring
M111Ⓣ	**RBC308TZA**	Button, Play
M112Ⓣ	**RBC309TZA**	Button, FF
M113Ⓣ	**RBC310TZA**	Button, REW
M114Ⓣ	**RBC311TZA**	Button, Stop
M115Ⓣ	**RBS207TZA**	Direction Knob

■CABINET PARTS LOCATION



■REPLACEMENT PARTS LIST

T Indicates parts that are supplied by TAMACO

Ref. No.	Parts No.	Parts Name & Description
	CABINET PARTS	
K1 T	**RKM288TWA**	Front Cabinet
K2 T	**RKF273TXA**	Rear Cabinet
K3 T	**RKK236TZA**	Battery Cover
K4 T	**RYQQV185EGKT**	Cassette Cover Ass'y
K5 T	**RJC302TZA**	Battery Terminal (+)
K6 T	**RJC292TZA**	Battery Terminal (−)
K7 T	**RBT252TZA0**	Volume Knob
K8 T	**RUS231TZB**	Tape Spring
K9 T	**RUS260TZA**	Torque Spring
K10 T	**RUL275TYA**	L.C.D. Angle
K11 T	**RSQ0018**	Electric GUM
K12 T	**RUP341TZA**	Film P.W.B.
K13 T	**RHR280TZA**	Support
K14 T	**RBD260TZA**	Select Knob
K15 T	**RBD261TZA0**	Function Knob
K16 T	**RBD262TZA**	Tuning Button
K17 T	**RBD263TZA**	M.Scan Button
K18 T	**RBD248TZA**	Hold Button
K19 T	**RGX293TZA**	Shield Plate Ass'y
K20 T	**RHD003TZA**	Screw
K21 T	**XYN17+F5FN**	Screw
K22 T	**XTNR14+4CFZ**	Screw
K23	**XTNR2+10CFZ**	Screw
K24 T	**XSH14+4**	Screw
	ACCESSORY	
A1 T	**RKE210TZA-1**	Belt Clipper
A2 T	**RP-HT104PAYY**	Headphones
A3 T	**RQX906TZA**	Instruction Manual
	PACKING MATERIALS	
P1 T	**RPN1497TZA**	Blister (Front)
P2 T	**RPN1498TZA**	Blister (Rear)
P3 T	**RPK545TZA**	Carton Box
P4 T	**RPP424TZA**	Polyethylene Cover

ORDER NO. TD93040467S8

Service Manual

Supplement

Radio Cassette

Stereo Radio Cassette Player **RQ-V185**

Colour

(K)····· Black Type

Area

Suffix for Model No.	Areas	Colour
[EG]	Europe	(K)
[GN]	Oceania	
[GC]	Asia, Latin America, Middle Near East and Africa areas.	

● Please file and use this supplement manual together with the service manual for Model No. RQ-V185[EG], Order No. TD94040424C2 or RQ-V185[GN] [GC], Order No. TD92050427C3.

CORRECTION

■ CHANGE IN REPLACEMENT PARTS LIST

Notes: T Indicates parts that are supplied by TAMACO

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	(Original)	Supplement		
MECHANICAL PARTS				
M78	RFB116ZA	**RFB113ZA**	Belt	**Correction**
M79 T	RFB113ZA	**RFB116ZA**	Belt	**Correction**

Panasonic

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